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**La Figure de la Terre.** Les grandes opérations géodésiques. L'ancienne et la nouvelle mesure de l'arc méridien de Quito. Capitaine G. Perrier. (Revue de Géographie annuelle. Tome 11.-1908.) vi and 307 pp., Maps, Illustrations, and Tables. Librairie Ch. Delagrave, Paris, 1909.

Captain Perrier of the Service géographique de l'Armée of France, gives to geographers in this volume a comprehensive account of the measurement of arcs of the meridian in Peru, Ecuador, Sweden, Spitzbergen, the United States, Canada, South Africa and other parts of the world, and the results of these labors. The work covers the development of geodesy in the past three centuries and shows the necessity for these great geodetic operations in order to establish the bases for exact topographic mapping. The author describes in detail the methods of measuring an arc of the meridian and the modern instruments employed. The bibliography with 97 titles will be found very useful.

**Die Schwerebestimmung an der Erdoberfläche.** Prof. Dr. Joh. Bapt. Messerschmitt. viii and 158 pp., 25 Illustrations and Index. Friedrich Vieweg & Sohn, Braunschweig, 1908. Price, M. 5.

One of the best works yet written on Gravitation and Gravity Determinations. The author, who is in charge at the Magnetic Observatory at Munich, describes the principles upon which the determination of gravity depend, the methods and apparatus used in observations and the importance of the study in investigations relating to the figure of the earth. The book is No. 27 of the natural science and mathematical monographs published under the general title of "Die Wissenschaft" by Vieweg & Son.

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## CURRENT GEOGRAPHICAL PAPERS

### NORTH AMERICA

#### United States

ABEL, ANNIE H. The Indians in the Civil War. *Amer. His. Rev.*, Vol. 15, No. 2, pp. 281-296, 1910.

ANDERSON, GEO. G. Some Aspects of Irrigation Development in Colorado. Colorado Scient. Soc., Vol. 9, pp. 273-314, Denver, 1909.

BEMENT, A. The Illinois Coal Field. Maps and Tables. *Journ. Western Soc. of Engineers*, No. 3, Chicago, 1909.

BROWN, ROBERT M. Indian Summer. 7 maps. *Jour. of Geog.*, Vol. 8, No. 2, pp. 25-31, New York City, 1909.

COCKERELL, PROF. T. D. A. The Miocene Trees of the Rocky Mountains. Ills. *The Amer. Naturalist*, Vol. 44, No. 517, pp. 31-47.

CULBERTSON, GLENN. Deforestation and its Effects among the Hills of Southern Indiana. *Proc. Indian Acad. of Sci.*, 1908, pp. 27-37, Indianapolis, 1909.

ELLIS, E. E. Ground Water in the Crystalline Rocks of Connecticut. *Water Supply Paper* 232, U. S. Geol. Surv., 1909.

FETHEROLF, JAMES M. Forestation in the Inter-Mountain Region. *Forestry Quarterly*, No. 9, 1909.

GANNETT, S. S. AND D. H. BALDWIN. Results of Spirit Levelling in West

Virginia, 1896-1908. *Bull.* 399, 81 pp., U. S. Geol. Surv., Washington, D. C., 1909.

GREENE, F. C. Caves and Cave Formations of the Mitchell Limestone. *Proc. Indiana Acad. of Sci.*, 1908, pp. 175-83, Indianapolis, 1909.

GREGORY, HERBERT E. Underground Water Resources of Connecticut. Map. Ills. *Water Supply Paper* 232, U. S. Geol. Surv., 1909.

HALL, M. R. AND R. H. BOLSTER. Surface Water Supply of the United States, 1907-8. Part 2: South Atlantic Coast and Eastern Gulf of Mexico. Ills. *Water Supply Paper* 242, U. S. Geol. Surv., 1909.

HARRIS, G. D., I. PERRINE AND W. E. HOPPER. Oil and Gas in N. W. Louisiana with Special Reference to the Caddo Field. Ills. *Bull.* 8, Report of 1909, pp. 52, Geol. Surv. of La., Baton Rouge, 1909.

HEADEN, WM. P. Notes on Some Mineral Springs. [In Colorado.] *Proc. Colorado Scient. Soc.*, Vol. 9, pp. 259-272, Denver, 1909.

HENNING, CHARLES L. Streifzüge in den Rocky Mountains. Ills. *Globus*, Band 96, No. 22, pp. 344-349, 1909.

HEWETT, EDGAR L. The Excavations at Tyuonyi, New Mexico, in 1908. *Amer. Anthropol.*, Vol. 11, No. 3, pp. 434-55, 1909.

JENNEY, WALTER P. The Great Nevada Meteor of 1894. Ills. *Amer. Jour. of Sci.*, Vol. 28, pp. 431-4, New Haven, Conn., 1909.

LEE, WILLIS T. AND GEORGE H. GIRT. The Manzano Group of the Rio Grande Valley. [Stratigraphy and Paleontology.] Map and Ills. *Bull.* 389, U. S. Geol. Surv., 1909.

MCCASKEY, H. D. Gold, Silver, Copper, Lead and Zinc in the Eastern States in 1908. Advance Chapter from Mineral Resources of the U. S., Calendar year 1908, U. S. Geol. Surv., 39 pp., Washington, 1909.

MARTIN, LAWRENCE. Geography at the University of Wisconsin. *Jour. of Geog.*, Vol. 8, No. 2, pp. 39-42, New York City, 1909.

MARTIN, LAWRENCE. The Malaspina Glacier Region of Alaska. Relief Map in text. *Jour. of Geol.*, Vol. 17, No. 7, pp. 664-6, Chicago, 1909.

MONTESUS DE BALLORE, COMTE FERNAND DE. La topographie seismique des Coast Ranges de Californie et le mouvement tectonique du 18 Avril 1906. *Annales de Géog.*, Vol. 18, No. 100, pp. 341-355, 1909.

OSGOOD, WILFRED H. Biological Investigations in Alaska and Yukon Territory. Map and Ills. *North Amer. Fauna.*, No. 30, Dept. of Agric., Washington, 1909.

PRINDLE, L. M. The Fortymile Quadrangle, Yukon-Tanana Region, Alaska. Maps, Ills. *Bull.* 375, 52 pp., U. S. Geol. Surv., 1909.

RIDDLE, R. R. List of Farms, Occupied or Unoccupied for Sale or Rent in New York State. Map and Ills. *Farm Bull.* 4, 165 pp., State Dept. of Agric., Albany, 1909.

SCOVELL, J. T. The Headwaters of the Tippecanoe River. Sketch Map. *Proc. Indiana Acad. of Sci.* 1908, pp. 167-74, Indianapolis, 1909.

SIEBENTHAL, C. E. Lead in 1908. Advance Chapter from Mineral Resources of the U. S., 1908. U. S. Geol. Surv., 19 pp., Washington, 1909.

SINCLAIR, A. T. Tattooing of the North American Indians. *Amer. Anthropol.*, Vol. 11, No. 3, pp. 362-400, 1909.

SPENCER, DR. J. W. Spoliation of the Falls of Niagara. Ills. Reprint from the *Pop. Sci. Monthly*, Vol. 72, pp. 289-305, Oct., 1908.

WARING, G. A. Geology and Water Resources of the Harvey Basin Region, Oregon. Map and Ills. 93 pp. *Water Supply Paper* 231, U. S. Geol. Surv., 1909.

WHITBECK, R. H. Specialization in Industry by certain Cities, with particular reference to Trenton, N. J. *Jour. of Geog.*, Vol. 8, No. 2, pp. 32-8, 1909.

WILLIS, BAILEY. Paleographic Maps of North America. Map. *Jour. of Geol.*, Vol. 17, No. 7, pp. 600-2, Chicago, 1909.

— Agricultural Advantages of New York State. Ills. State Dept. of Agric., Bur. of Stat., 1909.

— Decisions of the United States Geographic Board, Jan. 11, 1910.

— The Mineral Content of Illinois Waters. *Bull.* 10, viii and 192 pp., Illinois State Geol. Surv., 1909.

— Mortality Statistics: 1908. *Bull.* 104, 133 pp., Bureau of the Census, Washington, 1909.

— Report on the Progress and Condition of the U. S. National Museum for Year ending June 30, 1908. Ills. 138 pp., Washington, 1909.

### Canada

BURPEE, LAWRENCE J. Journal of Matthew Cocking from York Factory to the Blackfeet Country, 1772-73. Map. *Proc. and Trans.* Roy. Soc. Canada, 3d Ser.-Vol. 2, Sec. 2, pp. 89-121, Ottawa, 1908.

CLAPP, C. H. Southeastern Portion of Vancouver Island. Sessional Pap. No. 26. *Summary Report* Geol. Surv. Branch, Dept. of Mines, 1908, Ottawa, 1909.

COLLINS, W. H. Report on the Region lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario. 24 pp. Dept. of Mines, Geol. Surv. Branch, Ottawa, 1909.

DAWSON, W. BELL. Tide Tables for the Pacific Coast of Canada for 1910. 46 pp. Dept. Marine and Fisheries, Tidal and Current Survey, Ottawa, 1909.

DOWLING, D. W. The Coal Fields of Manitoba, Saskatchewan, Alberta and Eastern British Columbia. 111 pp. Maps, Ills. Dept. of Mines, Geol. Surv. Branch, Ottawa, Can., 1909.

GARNEAU, M. L'industrie de la pulpe au Canada. *Bull.* Soc. de Géog. de Québec, Vol. 3, No. 5, pp. 1-21, 1909.

McCONNELL, R. G. The Whitehorse Copper Belt, Yukon Terr. 63 pp. Ills., 8 maps (separate). Dept. of Mines, Geol. Surv. Branch, Ottawa, Can., 1909.

POIRIER, M. LE SÉNATEUR PASCAL. Des Acadiens déportés à Boston, en 1755. *Proc. and Trans.* Roy. Soc. Canada, 3d Ser.-Vol. 2, pp. 125-80. Ottawa, 1908.

TACHÉ, E.-E. Rivières de la province de Québec, *Bull.* Soc. Géog. de Québec, Vol. 3, No. 5, pp. 47-52, 1909.

WILSON, W. J. Geological Reconnaissance of a portion of Algoma and Thunder Bay Districts. 45 pp., Map and Ills. Dept. of Mines, Geol. Surv. Branch, Ottawa, Can., 1909.

— Catalogue of Publications of the Geological Survey, Canada (revised to Jan. 1, 1909). 181 pp. Dept. of Mines, Geol. Surv. Branch, Ottawa, Can., 1909.

— Engineering. [Chiefly as applied to Canadian R. Rs., interior navigation and water power, of which much information is given.] *Nature*, No. 2081, pp. 342-50, 1909.

**Mexico**

ORDOÑEZ, EZEQUIEL. Le Metlacueyatl. *Annales de Géog.*, Vol. 18, No. 100, pp. 356-361, 1909.

**CENTRAL AND SOUTH AMERICA**

ASCOLI, W. S. The Guatemalan Earthquakes and Eruption of 1902. Plates. *Mem. and Proc. of the Manchester Liter. & Philos. Soc.*, Vol. 53, Part 3, pp. 1-8, 1909.

BERCHON, CHARLES. Conférence sur l'île de Cuba. 23 pp. Imprimerie Y. Cadoret, Bordeaux, 1909.

BOWMAN, PROF. ISAIAH. The Highland Dwellers of Bolivia. Ills. *Bull. Geog. Soc. of Philadelphia*, Vol. 7, No. 4, pp. 1-29, 1909.

BUCHWALD, OTTO V. Ecuatorianische Grabhügel. Sketch Map. *Globus*, Vol. 96, No. 10, pp. 154-7, 1909.

DOUGLASS, A. E. The Crescentic Dunes of Peru. Ills. *Appalachia*, July, 1909.

DUCKE, A.—Explorations dans le nord de l'état de Para. *La Géog.*, Vol. 20, No. 2, pp. 99-110, Paris, 1909.

GÖEJE, C. H. DE. Beitrag zur Völkerkunde von Surinam. 20 Plates and 30 Ills. *Intern. Archiv. f. Ethnogr.*, Vol. 19, Nos. 1-2, pp. 1-47, 1909.

KEIDEL, H. Über den Büsserschnee der argentinischen Anden. Ills. *Zeitsch. f. Gletscherkunde*, Vol. 4, No. 1, pp. 31-66, Berlin, 1909.

**AFRICA****East Africa**

BEAUCORPS, COUNT J. DE. Sur le Nil Blanc: de Khartoum à Gondokoro. Ills. *Le Tour du Monde* 15e. année, pp. 589, 601, and 613, 1909.

FÖRSTER, BRIX. Jägers Forschungen am Kilimandscharo. *Globus*, Vol. 95, No. 23, p. 369, 1908, and Vol. 96, No. 10, pp. 157-8, 1909.

LANGSDORFF, BARON DE. Une chasse à l'éléphant en Ouganda. Ills. *Le Tour du Monde*, Vol. 15, pp. 517-28, Paris, 1909.

ROSSETTI, C. SUDAN: Note sul commercio d'importazione del Sudan anglo-egiziano. *Boll. del Min. degli Affari Esteri*, N. generale 378, 61 pp., Rome, 1909.

WEISSENBERG, S. Die Falaschas [Jews of Abyssinia]. *Globus*, Vol. 96, pp. 257-8, 1909.

**North Africa**

BERNARD, GEN. Les deux Missions transsahariennes. *Bull. Soc. de Géog. d'Alger*, No. 1, pp. 43-61, 1909.

CHANTRE, MME B. Sur les routes de Tunisie. Ills. *Le Tour du Monde*, pp. 481, 493, 1908, and 493, 505, 1909.

COLONNA DE LECA, CAPTAIN. Voyage à travers le Sahara. Map. *Rens. Col.*, Vol. 19, Nos. 9-12, pp. 169, 204, 232, and 278, Paris, 1909.

DESCHAMPS, C. Le Méhariste Saharien. *Bull. Trim. Soc. de Géog. et d'Archéol. d'Oran*, March, June, Sept., 1909.

DOUTTE, EDMOND. Les causes de la chute d'un sultan [Morocco]. Sixième Conférence: La guerre sainte. *Renseign. Coloniaux*, Vol. 19, No. 12, pp. 262-267, Paris, 1909.

FERNANDEZ, MANUEL B. La région des Guelaya (Rif) et le chemin de fer de Melilla aux mines des Beni-Bou-Ifrou. Map. *Bull. Trim. Soc. de Géog. et d'Archéol. d'Oran*, Vol. 29, No. 3, pp. 367-86, 1909.

GAUTIER, PROF. E. F. La Meseta sud-oranaise. Ills. *Annales de Géog.*, Vol. 18, No. 100, pp. 328-340, 1909.

METOIS, CAPT. Essai de transcription méthodique des noms de lieux touareg. *Bull. Soc. de Géog. d'Alger*, Nos. 3 and 4, 1908, and No. 1, 1909.

LEITER, DR. H. Die Frage der Klimaänderung während geschichtlicher Zeit in Nordafrika. Map, Figures. *Abhandl. der k. k. Geog. Gesellsch. in Wien*, Vol. 8, No. 1, 143 pp., 1909.

TERRIER, AUGUSTE. L'Action française en Mauritanie. *L'Afrique Franç.*, Vol. 19, No. 9, pp. 306-7, 1909.

TRENGA, G. Les Chehaouna: Notes sur les Mediouna et les Oulad Zian [Sahara.] *Bull. Soc. de Géog. d'Alger et de l'Afrique du Nord*, No. 1, 1909.

### South Africa

FALCÃO, J. B. Usos e costumes indígenas nas terras da corôa de Lourenço Marques. *Rev. Portuguesa*, July, 1909.

INNES, R. T. A. Transvaal Sea-Level Temperatures. Maps. *Trans. Roy. Soc. South Africa*, Vol. 1, Part 1, pp. 127-8. Cape Town, 1909.

KYNASTON, H. AND E. T. MELLOR. The Geology of the Waterberg Tin-Fields. [Transvaal.] Maps, Sections, & Ills. *Memoir* 4, pp. 124, *Geol. Surv.*, pp. 124, Pretoria, 1909.

PEARSON, H. H. W. Percy Sladen Memorial Expedition in S. W. Africa, 1908-9. Maps and Ills., *Nature*, Vol. 81, Nos. 2,085, pp. 466-7, and 2,086, pp. 499-500.

— Die Diamandablagerungen bei Lüderitzbucht. *Gaea*, Vol. 45, Nos. 7/8, pp. 421-8, 1909.

— Memorandum *re* Iron & Steel Industry. [Transvaal.] Government Mining Engineer, pp. 14, Mines Dept., Pretoria, 1909.

### West Africa

MELIN, L. ROSEROT DE. Dans la région du Tchad avec la mission Tilho. Ills. *Le Tour du Monde*, Vol. 15, Nos. 36, 37, 1909.

MOUREY, CHARLES. Dans la Nigeria: Les chemins de fer et la mise en valeur. Map, *Renseign. Col.*, No. 8, pp. 153-158, 1909.

SALESSES, E. Carte démographique de la Guinée. Map. *Bull. du Comité de l'Afrique franç.*, Vol. 19, No. 12, pp. 418-420, 1909.

WALTERS, A.-J. La Frontière Anglo-Belge. Maps, Ills. *Le Mouve. Géog.*, Vol. 26, No. 42, Cols. 493-99, Brussels, 1909.

SCHERER, JOSEF. Liberianische Küstenfahrten und Urwalderungen. *Globus*, Vol. 96, pp. 234-40 and 245-51, 1909.

— Blue Book. Colony of Southern Nigeria, 1908. Government Printer, Lagos, 1909. [Gives facts and statistics relating to the government, population, economic progress, etc., with diagram showing phases of expansion, 1900-1908.]

— Eine forstwirtschaftliche und forstbotanische Reise nach Kamerun. Ills. *Globus*, Vol. 96, pp. 251-5, 1909.

— La pénétration de la côte d'Ivoire. Maps and Ills. *Renseign. Col.*, No. 10, pp. 193-204, 1909.

German Colonies in Africa

MARTIN, CAMILLE. Possessions allemandes. [General description of each African colony with latest statistics.] *L'Afrique Franç.*, Vol. 19, No. 8, pp. 297-302, 1909.

— La culture du coton dans les colonies africaines allemandes. *Bull. de la Soc. Belge d'Études Col.*, Nos. 9-10, pp. 691-696, 1909.

ASIA

Asiatic Russia

SHULGA, I. Iestestviennoye bogatsvo yugozapadnoi chasti Zakaspiiskoi Oblasti. [Resources of the Trans-Caspian Region.] Ills. *Ziemiieviedienie*, Vol. 16, No. 2, pp. 1-25, Moscow, 1909.

Asiatic Turkey

BANSE, EWALD. Syrische Fragmente. Ills. *Geog. Zeit.*, Vol. 15, No. 10, pp. 571-89, 1909.

CANA'AN, DR. T. Der Ackerbau in Palästina. *Globus*, Vol. 96, Nos. 17, pp. 268-72 and 18, pp. 283-6, 1909.

DIEST, W. VON. Quer durch Karien. [Anatolia.] Maps and Ills. *Pet. Mitt.*, Vol. 55, No. 8, pp. 169-177; No. 9, pp. 216-223 and No. 10, pp. 264-269, 1909.

HERZFELD, DR. ERNST. Über die historische Geographie von Mesopotamien. *Pet. Mitt.*, Band 55, No. XII, pp. 345-349, Gotha, 1909.

SARRE, DR. F. Reise in Mesopotamien. Ills. *Zeitsch. für Erdkunde zu Berlin*, No. 7, pp. 422-39, 1909.

Central Asia

STEIN, DR. M. AUREL. Geographische und archäologische Forschungsreisen in Zentralasien. Ills. *Mitt. k. k. Geog. Gesellsch.*, Vol. 52, Nos. 7 and 8, pp. 289-324, 1909

GREERTS, R. Chez les nomades du Thibet. Ills. *Bull. de la Soc. Belge d'Études Col.*, No. 4, 1909.

China

— Returns of Trade and Trade Reports, Part I. Abstract of Statistics and Report on the Foreign Trade of China, 1908. Shanghai, 1909.

— Returns of Trade and Trade Reports, 1908. Part 2. Vol. 1. Northern Ports. With Map; Vol. 2, Yangtze Ports (Chungking to Chinkiang). With Plans; Vol. 3, Central Ports. Plans. Shanghai, 1909.

Dutch East Indies

— Jaarverslag van den Topographischen Dienst in Nederlandsch—Indië over 1908. Maps, Ills, 234 pp. Batavia, 1909.

India

FERMO, L. LEIGH. The Manganese-Ore Deposits of India. Part 1: Introduction and Mineralogy, 231 pp., 5 Plates; Part 2: Geology, pp. 235-405, Map and Ills.; Part 3: Economics and Mining, pp. 411-610, *Memoirs Geol. Surv. of India*, Vol. 37, Calcutta, 1909.

FONTAINE, P. RUDOLF. Im Stromtal des Brahmaputra. Ills. *Die Katholischen Missionen*, Vol. 38, No. 1, pp. 1-7, Freiburg im Greisgau, 1909.

VREDENBURG, E. W. Report on the Geology of Sarawan, Jhalawan, Mekran and Las Bela, from the point of view of Economic Development. Map and Ills. *Records Geol. Surv. of India*, Vol. 38, Part 3, pp. 189-229.

### Japan

HUTT, ALFRED J. Étude sur le Hokkaido ou Yeso. Map and Ills. *Les Miss. Cathol.*, Nos. 2096-2108, Lyons, 1909.

### Persia

— Persische wirtschaftliche Verhältnisse im Jahr Choui-il [1907-8.] *Monats. f. d. Orient*, Vol. 35, Nos. 6-10, pp. 61-101, Vienna, 1909. [An exhaustive report on the industrial and commercial conditions in Persia by the Austria-Hungarian Minister at Teheran.]

### The Philippines

BEAN, ROBERT B. Filipino Types. 1. Manila Students; 2. Found in Malecon Morgue. An attempt to classify the Litoral Population of Luzon and adjacent Islands. Ills. *Philippine Jour. of Sci.*, Vol. 4, No. 4, pp. 263-334. Manila, 1909.

BERKUSKY, H. Zur Anthropogeographie und Wirtschaftsgeographie der Philippinen. Maps. *Mitt. k. k. Geog. Gesellsch. in Wien*, Vol. 52, Nos. 7 and 8, pp. 325-393, 1909.

COLE, FAY COOPER. Distribution of the non-Christian Tribes of Northwestern Luzon. Maps. Ills. *Amer. Anthropol.*, Vol. 11, No. 3, pp. 329-47, 1909.

FERGUSON, H. G. Physiography of the Philippine Islands: III. Western Masbate. Maps. *Philipp. Jour. of Sci.*, No. 1, Manila, 1909.

VILLAYERDE, FR. JUAN. The Ifugaos of Quiangan and Vicinity. Trans. by Dean C. Worcester. Ills. *Philippine Jour. of Sci.*, Vol. 4, No. 4, pp. 237-62. Manila, 1909.

### AUSTRALASIA AND OCEANIA

BEST, ELSDON. Maori Forest Lore: Being Some Account of Native Forest Lore and Woodcraft, as also of many Myths, Rites....connected with the Flora and Fauna of the Tuhoe or Ure-wera District. Part 2. Ills. *Trans. New Zealand Inst.*, Vol. 41, pp. 231-85, Wellington, 1908.

FINCK, FRANZ NIKOLAUS. Die Wanderungen der Polynesier nach dem Zeugnis ihrer Sprachen. *Nachrichten von der königlichen Gesellschaft der Wissenschaften zu Göttingen, Philolog.-hist. Klasse*, No. 3, pp. 308-50, Berlin, 1909.

GRAEBNER, F. Zur australischen Religionsgeschichte. *Globus*, Bd. 96, No. 22, pp. 342-344, 1909.

HARPER, L. F. Notes on the Physiography and Geology of the Northeastern Watershed of the Macquarie River. [New South Wales.] Map and Profile. *Records Geol. Surv. N. S. W.*, Vol. 8, Part 4, pp. 321-34, 1909.

SAPPER, DR. K. Neuere Mitteilungen über den Matavanu-Ausbruch auf Savaii. Ills. *Zeitsch. d. Gesells. f. Erdk. zu Berlin*, No. 8, pp. 501-39, 1909.

— Gutta-percha-und Kautschuk-Unternehmen in Neu-Guinea. *Verh. Kol. Wirtschaftl. Komitees*, No. 1, 1909.



## EUROPE

## The Alps

SAAR, DR. G. VON. Die Ostwand des Monte Rosa. Ills. *Deutsche Alpenz.*, Vol. 9, No. 13, pp. 1-6, 1909

OEDERLIN, F. The Jungfrau and its Railway. Map and Ills. *Jour.*, Manchester Geog. Soc., Vol. 24, Part 4, pp. 137-144, 1908.

## Austria-Hungary

GÖTZINGER, DR. GUSTAV. Die Lunzer Seen. *Mitt. der k. k. Geog. Gesell.* in Wien, Vol. 52, No. 6, pp. 263-7, 1909.

LUKAS, DR. GEORG A. Die Stadt Graz in ihren geographischen Beziehungen. Maps. *Mitt. k. k. Geog. Gesellsch.* in Wien, Vol. 52, No. 9, pp. 415-68, 1909.

MÜHLHOFER, LIEUT. F. Beobachtungen über Dolinenbildungen am Triester Karste. Ills. *Globus*, Vol. 96, No. 18, pp. 287-9, 1909.

PERKO, G. A. Die Tropfstein-und Wasserhöhle Dimnice (Rauchgrotte bei Markkovsina in Istrien, Österreich. Maps and Profile. *Mitt. der k. k. Geog. Gesell.* in Wien, Vol. 52, No. 6, pp. 241-62, 1909.

## Finland

BONSDORFF, DR. I. Détermination relative de la pesanteur à Helsingfors. [Pendulum Observations.] *Fennia*, No. 27, Helsingfors, 1908.

— Déterminations relatives de la pesanteur et du magnétisme terrestre effectuées en Finlande en 1900-1902. *Fennia* 24, *Bull. de Géog. de Finlande*, Helsingfors, 1907-8.

## France

COUFFON, O. Le Bartonien supérieur (Marinésien) en Anjou. [A lake of the Upper Eocene in Maine-et-Loire.] Map. O. Couffon. *Bull. Soc. d'Études Sci. d'Angers*, XXXVII, 1907, Angers, 1908.

LEMOINE, P. Les tremblements de terre de Provence. Map. *La Géog.* No. 6, 1909.

LOCUSSOL, EUGÈNE. Les Industries du Velay. Dentelle et Rubanerie. Map. *Bull. Soc. de Géog. de Lyon*, Tome 1. 2e Série-1908, No. 5, pp. 242-272.

MALAVIALLE, HENRI-LÉON. Le Bas Languedoc en 1626. D'après la description du géographe allemand Abraham Golnitz. *Bull. de la Soc. Languedoc de Géog.*, Tome 31, Montpellier, 1908.

MARTEL, E. A. Géographie préhistorique de la France. *La Géog.*, Vol. 20 No. 2, pp. 73-98, Paris, 1909.

MOISSON, PAUL. Mouvement de la population du département des Hautes-Alpes au XIXe siècle. *La Géog.*, Vol. 20, No. 2, pp. 111-16, Paris, 1909.

PERRET, ROBERT. Ascensions dans les Alpes calcaires du Faucigny et du Valais. Maps, Ills. *La Montagne*, Vol. 5, No. 7, pp. 405-422, 1909.

## Germany

GROLL, DR. M. Die Verteilung der Bevölkerung in der Provinz Schlesien. Maps. *Zeitsch. der Gesellsch. für Erdk. zu Berlin*, No. 6, pp. 379-386, 1909.

LEPSIUS, R. Notizen zur Geologie von Deutschland. *Notizblatt d. Ver. f. Erdk.*, etc., für 1908. Series 4, No. 29, pp. 4-34, Darmstadt, 1908.

QUERFURT, H. Die Einwirkung der Winde auf die Strömungen im Skagerrak und Kattegat mit besonderer Berücksichtigung der... Beobachtungen während der Jahre 1903 bis 1905. Colored Diagrams. *Annal. Hydrog. und Marit. Meteor.*, Nos. 3 and 5, 1909.

REGEL, PROF. DR. FRITZ. Die geographischen Institute der deutschen Universitäten. With Plans. *Geog. Anzeiger*, Vol. 10, No. 7, 1909.

WERTH, E. Über einige Radialmoränen (Åsar) südlich von Posen und ihre Beziehungen zu den radialen Rinnenseen. Ills. *Zeitsch. d. Gesells. f. Erdk. zu Berlin*, No. 8, pp. 540-46, 1909.

#### German Colonies

COSTENOBLE, H. L. H. Die Behandlung der eingeborenen und anderer farbiger Arbeiter und "die Frauenfrage" in den Kolonien. *Tropenpflanzer*, No. 6, 1909.

#### Great Britain

CHISHOLM, GEO. G. A Hundred Years of Commerce between England and America. *Scot. Geog. Mag.*, Vol. 25, No. 11, pp. 561-76, Edinburgh, 1909.

#### Italy

BEAUREGARD, JEAN DE, ET GÉRARD. Naples et la Campanie. Map and Ills. *Le Tour du Monde*, Vol. 15, Nos. 22-26, 1909.

DEFANT A. Über die stehenden Seespiegelschwankungen (Seiches) in Riva am Gardasee. Ills. *Sitzungsb. d. k. Akad. d. Wissens., Math.-naturwissens. Klasse*, Vol. 117, No. 5, pp. 697-780, Vienna, 1908.

HANN, J. Zur Meteorologie der Adria. *Sitzungsb. d. k. Akad. d. Wissens., Math.-naturwissens. Klasse*, Vol. 117, No. 6, pp. 273-818, Vienna, 1908.

PERRET, FRANK A. Vesuvius: Characteristics and Phenomena of the present Repose Period. Ills. *Amer. Jour. of Sci.*, Vol. 28, Nov., pp. 413-30, New Haven, Conn., 1909.

#### Mediterranean Lands

ECKARDT, DR. W. R. Das Klima der Mittelmeerländer und ihrer Umgebung in Vergangenheit und Gegenwart. *Gaea*, Vol. 45, No. 9, pp. 517-524.

#### The Mediterranean

FORCH, DR. CARL. Über die Beziehungen zwischen Wind und Strom im Europäischen Mittelmeer. Plate. *Annal. der Hydrog. u. Marit. Meteor.*, Vol. 37, No. 10, pp. 435-47, 1909.

#### Poland

ARCTOWSKI, HENRYK. Les variations séculaires du climat de Varsovie. Diagrams. Separate from "Prac. matematyczno-fizycznych," 24 pp., T. 19.

#### Servia

— Der serbische Seidenbau. *Monats. f. d. Orient*, Vol. 35, Nos. 6-10, pp. 102-4, Vienna, 1909.

#### Spain

RUHL, DR. A. Geomorphologische Studien aus Catalonien. Map, Profiles, Ills. and Bibliog. *Zeitsch. Gesells. für Erdkunde zu Berlin*, Nos. 4 and 5, 1909.

## Switzerland

ARBENZ, DR. P. Die Karrenbildungen. *Deutsch. Alpenz.*, No. 6, 1909.

BIERI, DR. OSCAR. Volksdichte und Besiedelung des bernischen Mittellandes. Maps and Ill. *Jahresbericht der Geog. Gesells. von Bern*, Band XXI. pp. 63-151, 1906-1907.

## POLAR REGIONS

MEINARDUS, PROF. DR. WILH. Die mutmassliche mittlere Höhe des antarktischen Kontinents. Map. *Petermanns Mitt.*, Band 55, Nos. 11 and 12, Gotha, 1909.

SINGER, HERMANN. Cook und Peary. *Globus*, Band 96, No. 22, pp. 250-352, Braunschweig, 1909.

## ANTHROPOLOGY AND BIOGRAPHY

ENGERRAND, G. AND F. URBINA. Las ciencias antropológicas en Europa, en los Estados Unidos y en la América latina. *Memorias y Revista Soc. Científica "Antonio Alzate,"* No. 3, 1908.

SMITH, HARLAN I. New Evidence of the Distribution of Chipped Artifacts and Interior Culture in British Columbia. *Amer. Anthropol.*, Vol. 11, No. 3, pp. 359-61, 1909.

STONE AND WEBSTER. The Symbol. *Engineer. Corpor.*, Boston, (no date).

WERTH, DR. EMIL. Das geologische Alter und die stammesgeschichtliche Bedeutung des Homo Heidelbergensis. *Globus*, Vol. 96, No. 15, pp. 229-32, 1909.

## ECONOMIC GEOGRAPHY

COQUIDÉ, M. La Pêche à la Morue. *Bull. l'Institut Océanog.*, No. 153, 24 pp., Monaco, 1909.

CRAIGIE, MAJOR P. G. Agriculture. [Breadstuffs.] *Nature*, No. 2083, pp. 411-19, 1909.

DEVENTER, M. C. TH. VAN. Organisation de la lutte contre l'opium et l'alcool dans les diverses colonies. *Compte Rendu de la Session tenue à La Haye*, 1909, Bib. Col. Intern, Bruxelles, 1909, pp. 291-341.

HERDMAN, PROF. W. A. Our Food from the Waters. *Nature*, No. 2081, pp. 356-9, 1909.

SOSKIN, DR. S. Ölpalme. Ein Beitrag zu ihrer Kultur. Ills. Beihefte zum *Tropenpflanzer*, Vol. 10, No. 6, pp. 311-42, 1909.

WEBERSIK, G. Das Kabelnetz der Erde und der überseeische Nachrichtenverkehr im Jahre 1909. Map. *Deutsche Rundschau f. Geog. u. Stat.*, Vol. 32, No. 1, pp. 34-5, 1909.

## HISTORICAL GEOGRAPHY

SMITH, DONALD E. AND FRED. J. TEGGART. Diary of Gaspar de Portola during the California Expedition of 1769-1770. *Pub. Acad. Pac. Coast Hist.*, Vol. 1, No. 3, pp. 59, Univ. of Cal., Berkeley, Cal., 1909.

STÜBE, DR. Der Anonymus von Nowgorod. Ein altrussischer Bericht über die westasiatischen Länder. *Zeitsch. d. Gesells. f. Erdk. zu Berlin*, No. 8, pp. 547-52, 1909.

TEGGART, FREDERICK J. The Official Account of the Portola Expedition of

1769-1770. *Pub. Acad. Pac. Coast Hist.*, Vol. 1, No. 2, p. 15, Univ. of Cal., Berkeley Cal., 1909.

D'URVILLE, CAPT. DUMONT. Capt. d'Urville's Visit to Tologo Bay in 1827. Translated from the French by S. Percy Smith. Ills. *Trans. New Zealand Inst.*, Vol. 41, pp. 130-39, Wellington, 1908.

### MATHEMATICAL GEOGRAPHY AND CARTOGRAPHY

DEVOIR, A. Urzeitliche Astronomie in Westeuropa. Ills. *Mannus*, No. 1/2 Würzburg, 1909.

ECKERT, PROF. DR. M. Eine neue Isochronenkarte der Erde. 1. Die geschichtliche Entwicklung der Isochronenkarten. 2. Methodische Untersuchung. *Maps. Pet. Mitt.*, Vol. 55, No. 9, pp. 209-16, and No. 10, pp. 256-63, 1909.

ECKERT, DR. MAX. Zur Logik der Karte. *Gaea*, Vol. 45, No. 7/8, pp. 452-67, and No. 9, pp. 497-505, 1909.

KREBS, W. Von der Ausbruchtätigkeit der Sonne. *Deutsch. Rundsch. für Geog. u. Stat.*, No. 9, 1909.

SMITH, STEPHEN. New Land Maps of the World. *Map. Scot. Geog. Mag.*, Vol. 25, No. 11, pp. 597-600, Edinburgh, 1909.

— Reseña Jeneral sobre el estado actual de la Cartografia americana. Tema 7°. del programa de la Seccion de Matemáticas del 4°. Congreso científico reunido en Santiago de Chile, el 25 de Diciembre de 1908. Oficina de Mensura de Tierra, Santiago, 1909. By Luis Riso Patron

### PHYSICAL GEOGRAPHY

MARINI L. Quelques considérations sur le programme pour l'exploration internationale de l'Océan Atlantique et de la Méditerranée. *Bull. de l'Institut Océan.*, No. 143, Monaco, 1909.

PASSALSKIL, PAUL T. On the Distribution of Magnetism over the Earth's Surface. Transl. by Paul Wernicke. *Terr. Mag.*, Vol. 13, p. 105, 1908, and Vol. 14, p. 113, 1909.

PENCK, ALBERT. Die Morphologie der Wüsten. *Geog. Zeit.*, Vol. 15, No. 10, pp. 545-58, 1909.

REID, HARRY FIELDING. Observations of Glaciers. Ills. *Canadian Alpine Jour.*, Vol. 2, No. 1, pp. 92-9, 1909.

REID, HARRY FIELDING. The Variations of Glaciers. (1907.) *Jour. of Geol.*, Vol. 17, No. 7, pp. 667-71, Chicago, 1909.

REINHARDT, DR. LUDWIG. Die Ergebnisse der neusten deutschen Höhlenforschung. Ills. *Gaea*, Vol. 45, No. 9, pp. 505-517.

RYKATCHEV, M. M. *Nabludeniia v raznykh sloiach atmosfery, proizviedionnyie vo vremia plavania ot St. Peterburga do Odessy na parochodie "Neptun,"* 1908. [Observations of Air Strata.] *Izvestiia of the Imp. Acad. of Sciences*, No. 11, St. Petersburg, 1909.

STERNECK, DR. R. v. Das Fortschreiten der Flutwelle im Adriatischen Meere. *Map. Sitzungsab. d. k. Akad. d. Wissens., Math.-Naturwissens. Klasse*, Vol. 117, No. 1, pp. 151-203, Vienna, 1908.

VACHER, PROF. ANTOINE. Rivières à méandres encaissés et terrains à méandres. *Annales de Géog.*, Vol. 18, No. 100, pp. 311-327, 1909.

VAUX, WM. S. Modern Glaciers. *Canadian Alpine Jour.*, Vol. 2, No. 1, pp. 56-91, 1909.

WEDDERBURN, E. M. Temperature Oscillations in Lakes and in the Ocean. *Map. Scot. Geog. Mag.*, Vol. 25, No. 11, pp. 591-7, Edinburgh, 1909.

WERTH, DR. EMIL. Fjorde, Fjärde und Föhrden. Ills. *Zeitsch. für Gletscherkunde*, Vol. 3, No. 5, pp. 346-58, 1909.

### GENERAL

BRYAN, G. H. Aviation. *Nature*, Vol. 81, No. 2083, pp. 397-398.

ULE, WILLI. Darwins Bedeutung in der Geographie. *Deutsche Rundschau für Geog. u. Stat.*, No. 10, 1909.

## NEW MAPS

### NORTH AMERICA

#### UNITED STATES GEOLOGICAL SURVEY MAPS

UNITED STATES. Map Showing the Distribution of Iron Ores in the United States. 1 inch=110 miles. Prepared by E. C. Harder. Illustrates "The Production of Iron Ores, Pig Iron and Steel in 1908," in "Mineral Resources of the U. S., 1908," U. S. Geol. Surv., Washington, 1909. [Colors to distinguish hematite brown ore, magnetite and iron carbonate. List of districts, variety of ore and active mines are given on margin with numbers corresponding to those on the maps.].

UNITED STATES. Map of the United States Showing Locations of Blast Furnaces in 1908. 1 inch=110 miles. Compiled by W. T. Thom. Based on Swank's Iron and Steel Works Directory for 1908. Illustrates "The Production of Iron Ores, Pig Iron and Steel in 1908" from "Advance Chapter from Mineral Resources of the U. S., 1908." U. S. Geol. Surv., Washington, 1909. [Locations of blast furnaces are shown in red, numbered for lists of districts, locations and number of stacks printed on margin.].

UNITED STATES. The following Black and white maps illustrate *Bull* 381—A, "Investigations of Coal Fields in Indiana, North Dakota and Montana by the U. S. Geol. Surv. in 1908." (a) Map of Washburn Lignite Field, N. D. 1 inch=4 miles. By Carl D. Smith. [Shows lignite mines and exposures with list of mines and composite section.] (b) Map of Fort Berthold Indian Reservation Lignite Field, N. D. 1 inch=4 miles. By Carl D. Smith. [Shows lignite outcrops and exposures.] (c) Map of Fort Peck Indian Reservation Lignite Field, Mont. 1 inch=4½ miles. By C. D. Smith, J. A. Davis, E. R. Hopkins and E. L. DeGolyer; (d) Map of southeastern part of Bull Mountain Coal Field, Mont. 1 inch=1 mile. By R. W. Richards. [Shows probable thickness of various beds, with columnar section.] (e) Map of northwestern part of Bull Mountain Coal Field, Mont. 1 inch=1 mile. By R. W. Richards. Detail as on map d; (f) Map of Milk River Coal Field, Mont. 1 inch=3 miles. [Shows rock formations, coal zones, mines and prospects with 23 columnar sections.] (g) Map of Northern Part of Custer National Forest, Mont. 1 inch=4 miles. By Carroll H. Wegemann. [Shows coal outcrops, mines, prospects and stratigraphic sections.]